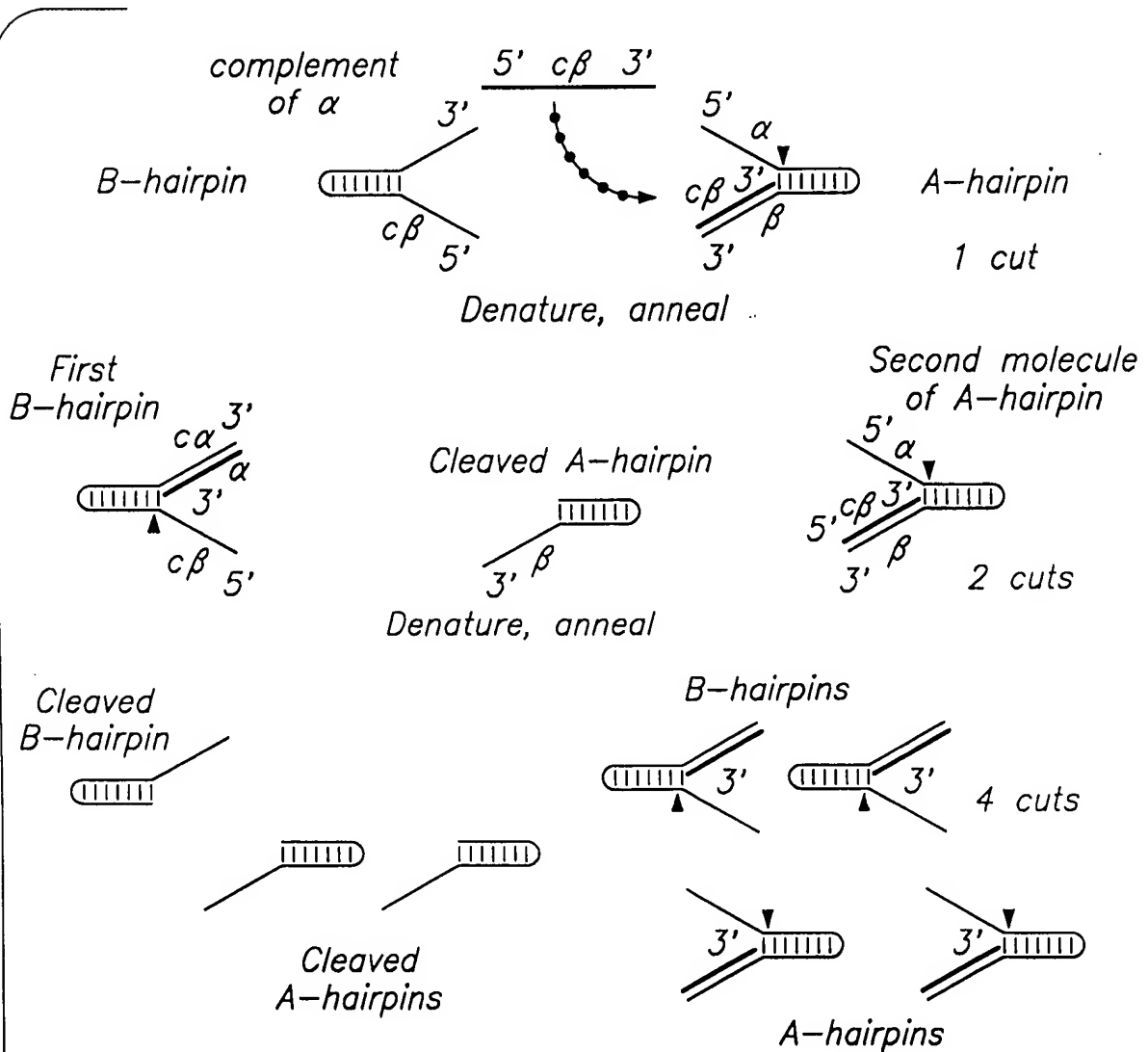**FIG. 1B** PART ONE: TRIGGER REACTION



**FIG. 1C** PART TWO: DETECTION REACTION